

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

HON. COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

July 5, 2001

S I R:

Transmitted herewith for filing are the specification and claims of the patent application of:

Cy Stein \_\_\_\_\_ for  
Inventor(s)

PHOSPHOROTHIOATE ANTISENSE HEPARANASE OLIGONUCLEOTIDES  
Title of Invention

Also enclosed are:

☒ 3 sheet(s) of \_\_\_\_\_ informal ☒ formal drawings.

☒ Oath or declaration of Applicant(s). (Unsigned)

☒ A power of attorney (Unsigned)

☒ An assignment of the invention to \_\_\_\_\_

☒ A Preliminary Amendment

☒ A verified statement to establish small entity status under 37 C.F.R. §1.9 and §1.27.

The filing fee is calculated as follows:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

	NUMBER FILED		NUMBER EXTRA*		RATE		FEE	
					SMALL ENTITY	OTHER ENTITY	SMALL ENTITY	OTHER ENTITY
Total Claims	29-20	=	9	X	\$ 9	\$ 18	= \$	\$162
Independent Claims	2-3	=	0	X	\$40	\$ 80	= \$	\$ 0
Multiple Dependent Claims Presented: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					\$135	\$270	= \$	\$270
*If the different in Col. 1 is less than zero, enter "0" in Col. 2					BASIC FEE		\$ 355	\$ 710
					TOTAL FEE		\$	\$1142

Applicant: Cy Stein  
U.S. Serial No.: Not Yet Known  
Filed: Not Yet Filed

Letter of Transmittal  
Page 2

☒ A check in the amount of \$ 1142.00 to cover the filing fee.

☐ Please charge Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.

☒ The Commissioner is hereby authorized to charge any additional fees which may be required in connection with the following or credit any over-payment to Account No. 03-3125:

☒ Filing fees under 37 C.F.R. §1.16.

☒ Patent application processing fees under 37 C.F.R. §1.17.

☐ The issue fee set in 37 C.F.R. §1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. §1.311(b).

☒ Three copies of this sheet are enclosed.

☐ A certified copy of previously filed foreign application No. \_\_\_\_\_ filed in \_\_\_\_\_ on \_\_\_\_\_.

Applicant(s) hereby claim priority based upon this aforementioned foreign application under 35 U.S.C. §119.

☒ Other (identify)

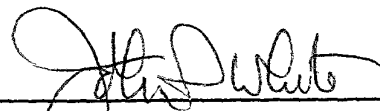
Express Mail Certificate bearing label No. EL628787495US

An extra set of loose figures

A CD-ROM disk and paper sequence listing

A Statement in accordance with 37 C.F.R. 1.821(f)

Respectfully submitted,



John P. White  
Registration No. 28,678  
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DKt. 0575/63180/JPW/BJA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Cy Stein  
U.S. Serial No. : Not Yet Known  
Filed : Herewith  
For : PHOSPHOROTHIOATE ANTISENSE HEPARANASE  
OLIGONUCLEOTIDES

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July 5, 2001

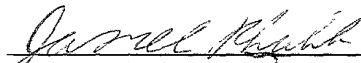
Assistant Commissioner for Patents  
Washington, D.C. 20231  
Attn: Box Provisional Patent Application

Sir:

**EXPRESS MAIL CERTIFICATE OF MAILING**  
**FOR ABOVE-IDENTIFIED APPLICATION**

"Express Mail" Mailing Label Number: EL628787495US  
Date of deposit: July 5, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, Attn. Box Provisional Patent Application.



Printed Name Samuel Rhab

Respectfully submitted,



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Cy A. Stein  
U.S. Serial No. : Not Yet Known  
Filed : Herewith  
For : PHOSPHOROTHIOATE ANTISENSE HEPARANASE  
OLIGONUCLEOTIDES

1185 Avenue of the Americas  
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July 5, 2001

Assistant Commissioner for Patents  
Washington, D.C. 20231

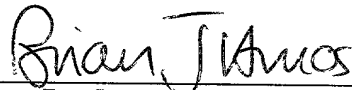
Sir:

STATEMENT IN ACCORDANCE WITH 37 C.F.R. §1.821(f)

In accordance with 37 C.F.R. §1.821(f), I hereby certify that the computer readable form containing the nucleic acid and/or amino acid sequences required by 37 C.F.R. §1.821(e) and submitted with the above-identified application contains the same information as the written "Sequence Listing" (9 pages) that is submitted as part of the application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,



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